

Title (en)

INFLATABLE COLLAR AND DOWNHOLE METHOD FOR MOVING A COILED TUBING STRING

Title (de)

AUFBLASBARER KRAGEN UND BOHRLOCHVERFAHREN ZUM BEWEGEN EINES GEWICKELTEN ROHRSTRANGS

Title (fr)

COLLERETTE GONFLABLE ET PROCÉDÉ DE DÉPLACEMENT D'UN TUBE ENROULÉ

Publication

EP 2828471 A2 20150128 (EN)

Application

EP 13713283 A 20130313

Priority

- US 201261613571 P 20120321
- US 2013030741 W 20130313

Abstract (en)

[origin: US2013248187A1] An elongated inflatable collar is securely attached to the exterior surface of a coiled tubing string before the tubing is lowered into the well for subsequent positioning at a predetermined subterranean location in the well casing. Upon inflation, the inflatable collar seals the annulus between the coiled tubing string and the well casing. A liquid injected from the surface creates sufficient hydraulic pressure on the upper surface of the inflated collar to advance the collar and the attached coiled tubing string and overcome frictional drag forces with the surrounding wall that caused the coiled tubing string to lock-up. The inflatable collar of the present invention can also be used to free a section of coiled tubing that is jammed in the formation due to buckling, by injecting a pressurized liquid into the wellbore downstream of the inflated collar to thereby apply a force to the downhole surface of the collar.

IPC 8 full level

E21B 23/08 (2006.01); **E21B 33/138** (2006.01)

CPC (source: CN EP US)

E21B 23/08 (2013.01 - CN US); **E21B 23/14** (2013.01 - US); **E21B 33/127** (2013.01 - CN EP US); **E21B 33/138** (2013.01 - CN EP US); **E21B 23/06** (2013.01 - US); **E21B 33/1243** (2013.01 - US); **E21B 33/1277** (2013.01 - US)

Citation (search report)

See references of WO 2013142179A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2013248187 A1 20130926; **US 9115559 B2 20150825**; CA 2867836 A1 20130926; CN 104285029 A 20150114; CN 104285029 B 20170510; EP 2828471 A2 20150128; WO 2013142179 A2 20130926; WO 2013142179 A3 20141030

DOCDB simple family (application)

US 201313800336 A 20130313; CA 2867836 A 20130313; CN 201380021658 A 20130313; EP 13713283 A 20130313; US 2013030741 W 20130313